From the INTERNATIONAL SPARCHING AUTHORITY To: BRISTOL-MYERS SOURCE FOR THE INTERNATION OF TRANSMITTAL OF PRINCETON, NI 08543-4000 PRINCETON, NI 08543-4000 FEB 18 2005 THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION OR THE DECLARATION PCT Rule 44.1) Date of Mailing Applicant's or agent's file reference D0185 PCT FOR FURTHER ACTION See paragraphs 1 and 4 below International application No. PCTU/US03/01981 Applicant BRISTOL-MYERS SQUIBB COMPANY 1. The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. When? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Fassimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
To: BRISTOL MYERS SOURCE PARTY STORE THE INTERNATION OF TRANSMITTAL OF PRINCETON, NJ 08543-4000 PEB 18 2005 THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION Docketed Item SWP-SOS- OR THE DECLARATION Date of Mailing (day/month/year) International application No. PCT/US03/01981 Applicant and price of the properties of the international filing date (day/month/year) The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Wher? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Fassimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	•
PRISTOL MYERS SOUTH AND A SANGER AND PRINCETON, NJ 08543-4000 PRINCETON, NJ 08543-4000 PEB 18 2005 Docketed Item (SANGER A) SANGER AND SANGE	
PRINCETON, NJ 08543-4000 FEB 18 2005 ORINCETON, NJ 08543-4000 PRINCETON, NJ 0854-4000 PRINCETON, NJ 08543-4000 PRINCETON, NJ 08543-4000 PRINCE	\mathcal{M}
Docketed Item Due Date (S-/Or) - S 10S Date of Mailing Attorney Date of Mailing Attorney Date of Mailing (day/month/year) Date of Mailing	
Due Date Attorney Date of Mailing (day/month/year) Date of Mailing (day/month/year) FOR FURTHER ACTION See paragraphs 1 and 4 below International application No. PCT/US03/01981 Applicant BRISTOL-MYERS SQUIBB COMPANY The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
Applicant's or agent's file reference D0185 PCT FOR FURTHER ACTION See paragraphs 1 and 4 below International application No. PCT/US03/01981 International filing date (day/month/year) 17 January 2003 (17.01.2003) Applicant BRISTOL-MYERS SQUIBB COMPANY The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
International application No. PCT/US03/01981 International filing date (day/month/year) 17 January 2003 (17.01.2003) Applicant BRISTOL-MYERS SQUIBB COMPANY 1. The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
International application No. PCT/US03/01981 Applicant BRISTOL-MYERS SQUIBB COMPANY 1. The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
Applicant BRISTOL-MYERS SQUIBB COMPANY 1. The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
1. The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
Article 17(2)(a) to that effect is transmitted nerowals	
ا مخمطد الد. مه	
and a property against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:	
the protest together with the decision thereon has been transmitted to the international Butters beganning the protest and the decision thereon to the designated Offices.	ĺ
applicant's request to forward the texts of both the protest and the protest a	
4. Reminders Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the Shortly after 18 months from the priority date, the international application wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application or of the priority claim, applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application of the technical must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.	
Within 19 months from the priority date, but only in respect of some designated Offices, a definate 30 months from the priority examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date, perform the prescribed date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed	
timis of 20 months (or later) Will apply even in the delimination	
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Guide, Volume II, National Chapters and the WIPO Internet site.	
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Ponnathapura Achutamuruny	A
Commissioner for Patents.	/]
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Form PCT/ISA/220 (April 2002) Telephone No. (\$71) 272-1600 (See notes on accompanying sheet)	

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference D0185 PCT		FOR FURTHER	Report (F	cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable,						
T	N. C. C. N.	ACTION item 5 below.								
	ational application No. US03/01981	International filing date (day/mont) 17 January 2003 (17.01.2003)	n/year)	(Earliest) Priority Date (day/month/year) 18 January 2002 (18.01.2002)						
Applio	cant									
BRIST	TOL-MYERS SQUIBB COMPANY	·								
This i	nternational search report has been	prepared by this International Sea	erching Au	uthority and is transmitted to the applicant						
according to Article 18. A copy is being transmitted to the International Bureau.										
This is	nternational search report consists	of a total of 4 sheets.								
It is also accompanied by a copy of each prior art document cited in this report.										
1	1									
	a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.									
ļ l	the international search was carried out on the basis of a translation of the international application furnished to this									
b.	Authority (Rule 23.1(b)). With regard to any nucleotide search was carried out on the b		sed in the	international application, the international						
[abla	l application in written form.								
	filed together with the intern	national application in computer reac	lable form.							
	furnished subsequently to thi	is Authority in written form.								
	furnished subsequently to thi	is Authority in computer readable fo	rm.							
		the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.								
	the statement that the inform been furnished.	ation recorded in computer readable	form is ic	dentical to the written sequence listing has						
2.	Certain claims were found	unsearchable (See Box I).								
3.	Unity of invention is lackin	g (See Box II).								
4. ÿ	Vith regard to the title,									
	the text is approved as submi	itted by the applicant.								
		by this Authority to read as follows	:							
Please	See Continuation Sheet									
5. V	Vith regard to the abstract,			•						
	the text is approved as submi	itted by the applicant.								
				as it appears in Box III. The applicant may, rt, submit comments to this Authority.						
6. T	he figure of the drawings to be publ	lished with the abstract is Figure No	o	<i>,</i> ·						
	as suggested by the applicant		•	None of the figures						
	because the applicant failed to	o suggest a figure.								
Ē	because this figure better cha	racterizes the invention.								
				·						

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/01981

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C07K 14-00 US CL : 530/350							
	International Patent Classification (IPC) or to both n DS SEARCHED	ational c	lassification and IPC				
		L1	fination graph als)				
	cumentation searched (classification system followed 30/350; 435/226, 435/193	by classi	ncation symbols)				
Documentati	on searched other than minimum documentation to the	e extent t	hat such documents are included i	in the fields searched			
Electronic da PubMed, ST	ata base consulted during the international search (namely, EAST)	ne of data	a base and, where practicable, sea	rch terms used)			
	UMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where			Relevant to claim No.			
<u>х</u> <u>Y</u>	ELLIS ET AL Down-regulation of vascular endothe carcinoma cell line transfected with an antisense ex Chem. January 1998, Vol. 273. No. 2 pages: 1052-	pression		1-3 and 8 9-11 and 16			
-				,			
*;							
Further	documents are listed in the continuation of Box C.		See patent family annex.				
"A" document	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance	"T"	later document published after the inte date and not in conflict with the applic principle or theory underlying the inve	cation but cited to understand the			
"E" earlier ap	plication or patent published on or after the international filing date	"X"	document of particular relevance; the considered novel or cannot be conside when the document is taken alone				
establish (specified)		"Y"	document of particular relevance; the considered to involve an inventive step combined with one or more other such	p when the document is a documents, such combination			
"P" document	referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the	"&"	being obvious to a person skilled in the document member of the same patent				
priority da	ate claimed	D		·			
	ctual completion of the international search	Date of	f mailing of the international sear 15 FEB 2005	сп героп			
12 October 2004 (12.10.2004) Name and mailing address of the ISA/US			ized officer				
Mail Stop PCT, Attn: ISA/US							
Con P.O.	unissioner for Patents . Box 1450 tandria, Virginia 22313-1450	Ponnathapura Achutamurthy Telephone No. / Olen u Bell-Harry					
	. (703) 305-3230		(571) 277-16	00			
Form PCT/ISA	/210 (second sheet) (July 1998)			· ·			

PCT/US03/01981

INTERNATIONAL SEARCH REPORT

Continuation of Item 4 of the first sheet:

Too long

Predictor sets for tyrosine kinase pathways

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-3 and 8, drawn to a predictor set comprising a plurality of polynucleotides.

Group II, claim(s) 9-11, 16, drawn to a predictor set comprising a plurality of polypeptides.

Group III, claim(s) 17 and 18, drawn to a method for predicting whether a compound is a modulator of cellular activity.

Group IV, claim(s) 26-28, drawn to a plurality of cells.

Group V, claim(s) 29, 31, and 32, in part, and 33, drawn to a method for identifying a plurality of polynucleotides as a predictor set.

Group VI, claim(s) 29, 31, and 32, in part, drawn to a method for identifying a plurality of polypeptides as a predictor set.

The inventions listed as Groups I-VI do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical feature for the following reasons: The technical feature linking Groups I-VI appears to be that they all relate to a set of two or more polynucleotides or polypeptides that can be used to predict the response of cells to treatment with a modulator of protein tyrosine kinase activity or signaling. However, Ellis et al teach a set of polynucleotides that have altered expression upon treatment of cells with an anti-sense expression vector specific for the src protein tyrosine kinase (J Biol Chem. 1998 Jan 9;273(2):1052-7; Fig 3). Therefore Groups I-VI share no special technical feature as defined by PCT Rule 13.2, as it does not define a contribution over the prior art. Furthermore, the products of Groups I, II, and IV do not share a special common structural or functional feature while, the methods of Groups III, V, and VI do not use the same reagents and/or produce the same results. In addition, the methods of Groups III, V, and VI not do comprise all of the methods for making or using the products of Groups I, II, and IV. Accordingly, Groups I-VI are not so linked by the same or a corresponding special technical feature as to form a single general inventive concept.

Claims 4-7, 12-15, 19-25, and 34-40 cannot be search because sufficient structure (SEQ ID NO) has not been provided for the polynucleotides listed in Tables 10-12.

BEST AVAILABLE CURY

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/01981

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)	٠
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	•
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	٠.
2. Claim Nos.: 4-7, 12-15,19-25, 30, and 34-40 because they relate to parts of the international application that do not comply with the prescribed requirements to see the complex of the international application that do not comply with the prescribed requirements to see the complex of the international application that do not comply with the prescribed requirements to see the complex of the c	nich.
an extent that no meaningful international search can be carried out, specifically: No SEQ ID NO given.	
Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.	4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet	
	•
	• •
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.	•
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	
3. As only some of the required additional search fees were timely paid by the applicant, this international search repo covers only those claims for which fees were paid, specifically claims Nos.: 1-3,8-11 and 16	rt
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	is
Remark on Protest	
No protest accompanied the payment of additional search fees.	

NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.